CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

QC ABSTRACT

Nameof Work: "Drilling of Borewell and Erection of Pumpset,Electrification to Borewell at Nagenahalli,Kenchenahalli Village areas in Kempegowda Ward No.01 of Yelahanka Sub division".

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes as per frequency	Actual No's of testes as per frequency	Testes Results
1	Materials	–	1	1	Pass
2	PVC Pipe-50mm	1846.00 Mtr	1	1	Pass
3	M20	166.14 Cum	7	7	Pass
4	WMM	110.76 Cum	-	-	Pass
		Gradation	2	2	Pass
		AIV	1	1	Pass
		Shape Test	1	1	Pass
		Atterberg Limits	2	2	Pass

Cubes

0-5 Cum	1Set
6-15 Cum	2Set
16-30 Cum	3Set
31-50 Cum	4Set

Add 1set for extra 50Cum

FOR CIVIL AIM CONSULTANTS AND ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
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Job No.: CACE/BBMP/SD/W.No.01/2024-25 Date : 15.04.2024

TEST REPORT ON COARSE AGGREGATES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri Shadyan(Sadian)(Ganesh Engineering Works) , Contractor, Bangalore.

Name of Work : "Drilling of Borewell and Erection of Pumpset,Electrification to Borewell at Nagenahalli,Kenchenahalli Village areas in Kempegowda Ward No.01 of Yelahanka Sub division".

Date of Testing : 15.04.2024

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= 5000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	163	3.3	3.3	96.7	95-100
10	2503	50.1	53.3	46.7	25-55
4.75	1997	39.9	93.3	6.7	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

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Lab No: CACE/BBMP/SD/W.No.01/2024-25 Date: 13.07.2024

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri Shadyan(Sadian)(Ganesh Engineering Works) , Contractor, Bangalore.

Name of the work : "Drilling of Borewell and Erection of Pumpset,Electrification to Borewell at Nagenahalli,Kenchenahalli Village areas in Kempegowda Ward No.01 of Yelahanka Sub division".

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.06.2024	13.07.2024	8.158	501.9	22.31
2	15.06.2024	13.07.2024	8.160	506.7	22.52
3	15.06.2024	13.07.2024	8.166	511.2	22.72

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Job No.: CACE/BBMP/SD/W.No.01/2024-25 Date: 15.07.2024

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri Shadyan(Sadian)(Ganesh Engineering Works) , Contractor, Bangalore.**

Name of the work : "Drilling of Borewell and Erection of Pumpset,Electrification to Borewell at Nagenahalli,Kenchenahalli Village areas in Kempegowda Ward No.01 of Yelahanka Sub division".

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.06.2024	15.07.2024	8.145	504.2	22.41
2	17.06.2024	15.07.2024	8.157	506.8	22.52
3	17.06.2024	15.07.2024	8.163	511.3	22.72

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Lab No.: CACE/BBMP/SD/W.No.01/2024-25

Date: 24.06.2024

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri Shadyan(Sadian)(Ganesh Engineering Works) , Contractor, Bangalore.

Name of the work : "Drilling of Borewell and Erection of Pumpset,Electrification to Borewell at Nagenahalli,Kenchenahalli Village areas in Kempegowda Ward No.01 of Yelahanka Sub division".

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.06.2024	24.06.2024	8.143	342.1	15.20
2	17.06.2024	24.06.2024	8.155	344.9	15.33
3	17.06.2024	24.06.2024	8.138	348.5	15.49

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